

FLOOD PLAIN MANAGEMENT SERVICES

USACE AUTHORITY

Authority: Section 206 of the Flood Control Act of 1960 (P.L. 86-645), as amended

USACE Program: Flood Plain Management Services

Objective: Provide a full range of technical assistance and planning guidance to support effective flood plain management

GUAM COMPREHENSIVE FLOOD MITIGATION, PHASE I

Scope of Work:

1. Regional Flood Frequency Analysis
2. Flood Hazard Study: Umatac
3. Flood Hazard Study: Manell
4. Flood Hazard Study: Namo

Schedule: 28 February 2020

(subject to completion of agency review)



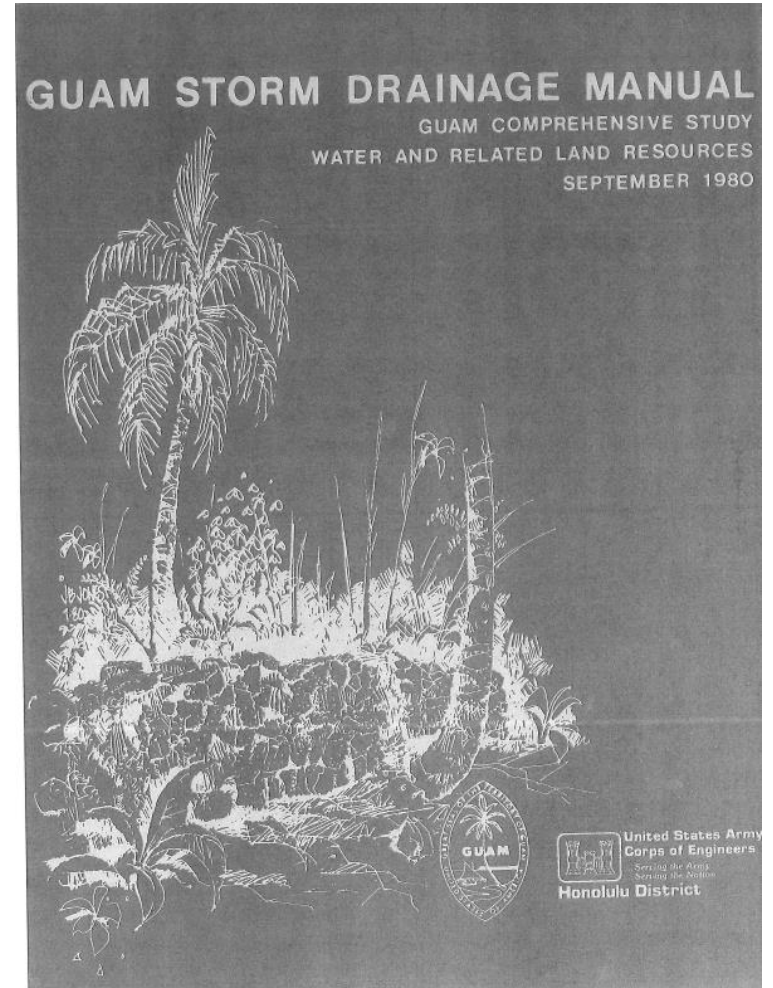
Umatac Floodplain Map (Base Flood)

GUAM COMPREHENSIVE FLOOD MITIGATION, PHASE II

Scope of Work:

Update Guam Storm Drainage Manual

Schedule: TBD



1980 Guam Storm Drainage Manual

HAGATNA FIRM UPDATE

1. Flood Frequency Analysis

Determine peak flows along Hagatna River

2. 1D/2D Hydraulic Modeling

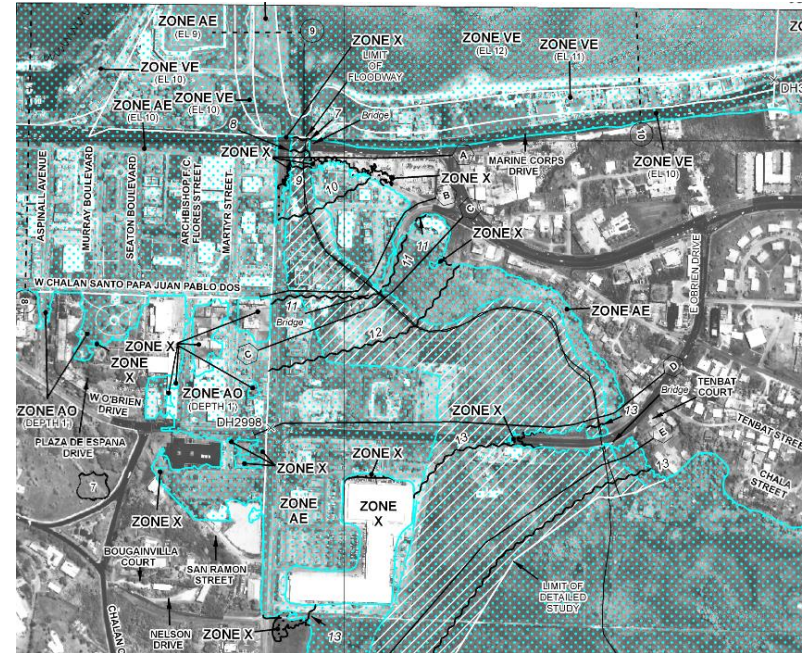
of Hagatna River, including new bridges

3. Revised Flood Hazard Maps

4. Documentation (Report)

5. Continued Technical Support

Final Report & Delivery: May 2020



Effective Hagatna FIRM

CONTINUING AUTHORITIES PROGRAM (CAP)

USACE AUTHORITY

Authority: Flood Control Act of 1946 (PL 79-526)

USACE Program: Continuing Authorities Program
(Section 14)

Objective: Emergency streambank & shoreline erosion
protection for public facilities & services

EAST AGANA EMERGENCY SHORELINE PROTECTION STUDY

8 of 33

Scope of Work:

1. Complete Federal Interest Determination
2. Execute Federal Cost Sharing Agreement (FCSA)
3. Complete Section 14 Feasibility Study

Schedule: 31 March 2020

(submittal of Federal Interest Determination)



Failing Seawall Between East Agana Shoreline and Marine Corps Drive

PLANNING ASSISTANCE TO STATES (PAS) PROGRAM

USACE AUTHORITY

Authority: Section 22 of the Water Resources Development Act of 1974 (P.L. 93-251)

USACE Program: Planning Assistance to States

Objective: Comprehensive plans for the development, utilization and conservation of water and related land resources

AGAT REGIONAL SHORELINE ASSESSMENT

Scope of Work:

Phase I –

1. Modeling of Agat Region
2. Impacts of Agat SBH
3. Harbor modification concepts

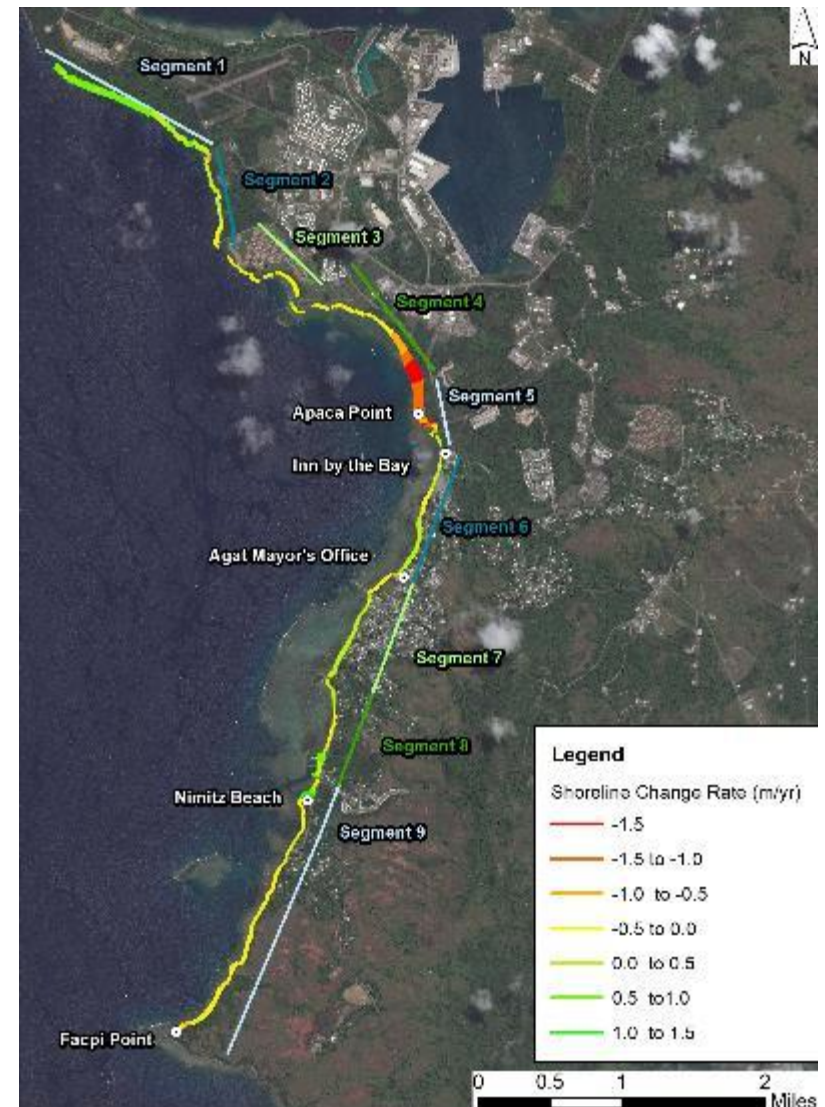
Phase II –

1. Shoreline Stabilization Conceptual Designs at 3 sites

Schedule:

Phase I – Dec 2018
(complete)

Phase II - 31 March 2020



Agat Shoreline Change Analysis

GUAM COASTAL ATLAS

Scope of Work:

Phase I –

1. Inspection of Shoreline
2. GIS/Photo Collection
3. Interim Shoreline Assessment

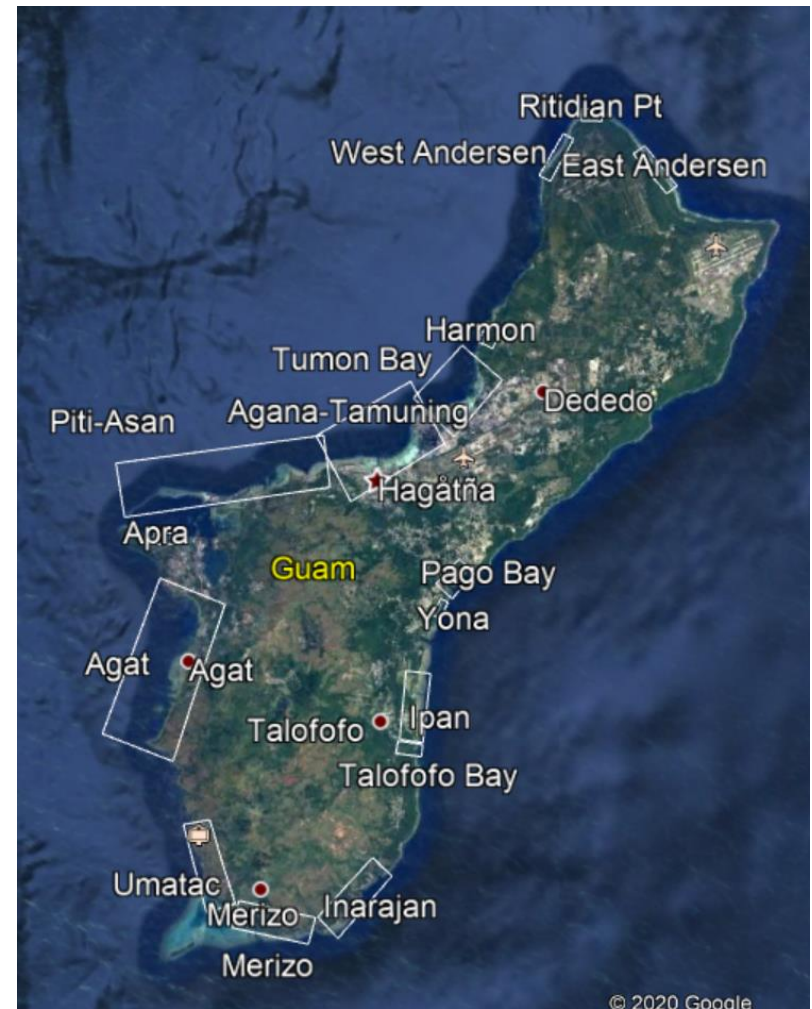
Phase II –

1. Shoreline Atlas
2. GIS Geodatabase

Schedule:

Phase I – 31 March 2020

Phase II – March 2021



Shoreline Atlas Coverage Areas

USACE SILVER JACKETS INTERAGENCY WORKING GROUP

Authority: Guam Silver Jackets Charter

Partners: BSP; Dept. Land Management; DPW; OCD;
GEPA; U of Guam; NOAA; FEMA; USACE

Vision: *Serve as a catalyst in developing comprehensive and sustainable solutions to Guam's hazard issues, including mitigation planning, flood hazard mapping, risk reduction activities, response and recovery planning, community resilience, and climate change adaptation in the Territory of Guam.*

2020 GUAM RESILIENCE WORKSHOP